AMENDMENTS TO THE CLAIMS

1. (CURRENTLY AMENDED)   A multi-piece solid golf ball comprising a solid core and a cover comprising an inner layer and an outer layer, the outer cover layer having a surface formed with a plurality of dimples, wherein

~~the solid core has a distortion of 2.6 to 3.0 mm under an applied load of 100 kg;~~

a product of the Shore D hardness of said inner cover layer multiplied by the Shore D hardness of said outer cover layer and a proportion V_R (%) of the total of the volumes of dimple spaces each defined below a plane circumscribed by the dimple edge to the overall volume of a phantom sphere given on the assumption that the golf ball surface is free of dimples satisfy any one of the following combinations (1) to (5):

(1)   the product of Shore D hardnesses of inner and outer cover layers: 1,500 to less than 2,000

V_R: 0.80 to 0.95%

(2)   the product of Shore D hardnesses of inner and outer cover layers: 2,000 to less than 2,500

V_R: 0.75 to 0.95%

(3)   the product of Shore D hardnesses of inner and outer cover layers: 2,500 to less than 3,000

V_R: 0.70 to 0.95%

(4)   the product of Shore D hardnesses of inner and outer 25 cover layers: 3,000 to less than 3,500

V_R: 0.65 to 0.95%

(5)   the product of Shore D hardnesses of inner and outer cover layers: 3,500 to 4,000

V_R: 0.60 to 0.90%,

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and said dimples include at least three types of dimples which are different in at least one of a diameter, a depth, and a value V_0 which is the volume of one dimple space defined below a plane circumscribed by the dimple edge divided by the volume of a cylinder whose bottom is the plane and whose height is the maximum depth of the dimple from the bottom, wherein the dimples of the largest type have the diameter of 3.7 to 4.5 mm, the depth of 0.15 to 0.25 mm and the V_0 value of 0.38 to 0.55, and their number is 5 to 80% of the total dimple number.

2. (CANCELLED)

3. (PREVIOUSLY PRESENTED) The multi-piece solid golf ball of claim 1 wherein both the hardnesses of the inner and outer cover layers are up to 63 in Shore D hardness.

4. (PREVIOUSLY PRESENTED) The multi-piece solid golf ball of claim 1 wherein the dimples of the smallest type have the diameter of 2.0 to 3.7 mm, and the depth of 0.08 to 0.23 mm and V_0 value of 0.38 to 0.55, and their number is 1 to 40% of total dimple number.

5. (PREVIOUSLY PRESENTED) The multi-piece solid golf ball of claim 1 wherein the inner cover layer has a gage of 0.5 to 3.0 mm.

6. (PREVIOUSLY PRESENTED) The multi-piece solid golf ball of claim 1 wherein the outer cover layer has a gage of 0.5 to 2.5 mm.

7. (PREVIOUSLY PRESENTED) The multi-piece solid golf ball of claim 5 wherein the cover has a total gage of 1.0 to 5.5 mm.

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8. (PREVIOUSLY PRESENTED) The multi-piece solid golf ball of claim 1 wherein the inner cover layer and the outer cover layer have a Shore D hardness of 28 to 68 and of 30 to 62, respectively.

9. (PREVIOUSLY PRESENTED) A multi-piece solid golf ball comprising a solid core and a cover comprising an inner layer and an outer layer, the outer cover layer having a surface formed with a plurality of dimples, wherein

a product of the Shore D hardness of said inner cover layer multiplied by the Shore D hardness of said outer cover layer and a proportion V_R(%) of the total of the volumes of dimple spaces each defined below a plane circumscribed by the dimple edge to the overall volume of a phantom sphere given on the assumption that the golf ball surface is free of dimples satisfy any one of the following combinations (1) to (5):

(1)   the product of Shore D hardnesses of inner and outer cover layers: 1,500 to less than 2,000

V_R: 0.80 to 0.95%

(2)   the product of Shore D hardnesses of inner and outer cover layers: 2,000 to less than 2,500

V_R: 0.75 to 0.95%

(3)   the product of Shore D hardnesses of inner and outer cover layers: 2,500 to less than 3,000

V_R: 0.70 to 0.95%

(4)   the product of Shore D hardnesses of inner and outer cover layers: 3,000 to less than 3,500

V_R: 0.65 to 0.95%

(5)   the product of Shore D hardnesses of inner and outer cover layers: 3,500 to 4,000

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V_R: 0.60 to 0.90%,

and said dimples include at least three types of dimples which are different in at least one of a diameter, a depth, and a value V_0 which is the volume of one dimple space defined below a plane circumscribed by the dimple edge divided by the volume of a cylinder whose bottom is the plane and whose height is the maximum depth of the dimple from the bottom, wherein the dimples of the smallest type have the diameter of 2.0 to 3.7 mm, the depth of 0.08 to 0.23 mm and the V_0 value of 0.38 to 0.55, and their number is 1 to 40% of the total dimple number.

10.   (New)   The multi-piece solid golf ball of claim 1, wherein the solid core has a distortion of 2.6 to 6.5 mm under an applied load of 100 kg.

11.   (New)   A multi-piece solid golf ball comprising a solid core and a cover comprising an inner layer and an outer layer, the outer cover layer having a surface formed with a plurality of dimples, wherein

a product of the Shore D hardness of said inner cover layer multiplied by the Shore D hardness of said outer cover layer and a proportion V_R (%) of the total of the volumes of dimple spaces each defined below a plane circumscribed by the dimple edge to the overall volume of a phantom sphere given on the assumption that the golf ball surface is free of dimples satisfy any one of the following combinations (1) to (3):

(1)   the product of Shore D hardnesses of inner and outer cover layers: 1,500 to less than 2,000

V_R: 0.80 to 0.95%

(2)   the product of Shore D hardnesses of inner and outer cover layers: 2,000 to less than 2,500

V_R: 0.75 to 0.95%

V_R: 0.65 to 0.95%

(3)   the product of Shore D hardnesses of inner and outer cover layers: 3,500 to 4,000

V_R: 0.60 to 0.90%,

and said dimples include at least three types of dimples which are different in at least one of a diameter, a depth, and a value V_0 which is the volume of one dimple space defined below a plane circumscribed by the dimple edge divided by the volume of a cylinder whose bottom is the plane and whose height is the maximum depth of the dimple from the bottom, wherein the dimples of the largest type have the diameter of 3.7 to 4.5 mm, the depth of 0.15 to 0.25 mm and the V_0 value of 0.38 to 0.55, and their number is 5 to 80% of the total dimple number.

12. (New) A multi-piece solid golf ball comprising a solid core and a cover comprising an inner layer and an outer layer, the outer cover layer having a surface formed with a plurality of dimples, wherein

a product of the Shore D hardness of said inner cover layer multiplied by the Shore D hardness of said outer cover layer and a proportion V_R(%) of the total of the volumes of dimple spaces each defined below a plane circumscribed by the dimple edge to the overall volume of a phantom sphere given on the assumption that the golf ball surface is free of dimples satisfy any one of the following combinations (1) to (3):

(1)   the product of Shore D hardnesses of inner and outer cover layers: 1,500 to less than 2,000

V_R: 0.80 to 0.95%

(2)   the product of Shore D hardnesses of inner and outer cover layers: 2,000 to less than 2,500

V_R: 0.75 to 0.95%

(3)   the product of Shore D hardnesses of inner and outer cover layers: 3,500 to 4,000

V_R: 0.60 to 0.90%,

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and said dimples include at least three types of dimples which are different in at least one of a diameter, a depth, and a value V_0 which is the volume of one dimple space defined below a plane circumscribed by the dimple edge divided by the volume of a cylinder whose bottom is the plane and whose height is the maximum depth of the dimple from the bottom, wherein the dimples of the smallest type have the diameter of 2.0 to 3.7 mm, the depth of 0.08 to 0.23 mm and the V_0 value of 0.38 to 0.55, and their number is 1 to 40% of the total dimple number.